

Title (en)

DRY POWDER FORMULATIONS AND METHODS FOR TREATING PULMONARY DISEASES

Title (de)

TROCKENPULVERFORMULIERUNGEN UND VERFAHREN ZUR BEHANDLUNG VON LUNGENERKRANKUNGEN

Title (fr)

FORMULATIONS DE POUDRE SÈCHE ET MÉTHODES DE TRAITEMENT DE MALADIES PULMONAIRES

Publication

**EP 2611438 A1 20130710 (EN)**

Application

**EP 11751775 A 20110826**

Priority

- US 201161431242 P 20110110
- US 38792510 P 20100929
- US 37814610 P 20100830
- US 2011049435 W 20110826

Abstract (en)

[origin: WO2012030664A1] The present invention is directed toward respirable dry particles for delivery of divalent metal cation salts and/or monovalent cation salts to the respiratory tract and methods for treating a subject having a respiratory disease and/or infection.

IPC 8 full level

**A61K 9/00** (2006.01); **A61K 31/198** (2006.01); **A61K 33/06** (2006.01); **A61K 33/14** (2006.01); **A61P 11/00** (2006.01); **A61P 11/10** (2006.01)

CPC (source: CN EP US)

**A61K 9/0073** (2013.01 - US); **A61K 9/0075** (2013.01 - CN EP US); **A61K 31/137** (2013.01 - CN EP US); **A61K 31/198** (2013.01 - CN EP US); **A61K 33/06** (2013.01 - CN EP US); **A61K 33/14** (2013.01 - CN EP US); **A61K 45/06** (2013.01 - CN); **A61K 47/02** (2013.01 - CN US); **A61K 47/12** (2013.01 - US); **A61K 47/183** (2013.01 - CN); **A61K 47/26** (2013.01 - CN); **A61K 47/36** (2013.01 - CN); **A61M 15/00** (2013.01 - US); **A61P 11/00** (2017.12 - EP); **A61P 11/06** (2017.12 - EP); **A61P 11/10** (2017.12 - EP); **A61P 29/00** (2017.12 - EP); **A61P 31/04** (2017.12 - EP); **B22F 3/1125** (2013.01 - EP US); **B22F 5/10** (2013.01 - US); **C22C 21/00** (2013.01 - EP US); **A61K 2300/00** (2013.01 - US)

Citation (search report)

See references of WO 2012030664A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2012030664 A1 20120308**; AU 2011296343 A1 20130321; AU 2011296343 B2 20151210; CA 2809666 A1 20120308; CA 2809666 C 20200922; CN 103200938 A 20130710; CN 103200938 B 20180731; CN 105640925 A 20160608; CN 105640925 B 20190816; EP 2611438 A1 20130710; EP 2611438 B1 20200401; JP 2013536845 A 20130926; JP 5877201 B2 20160302; US 2013213398 A1 20130822; US 2015250875 A1 20150910; US 2018153996 A1 20180607; US 9061352 B2 20150623; US 9233158 B2 20160112

DOCDB simple family (application)

**US 2011049435 W 20110826**; AU 2011296343 A 20110826; CA 2809666 A 20110826; CN 201180052479 A 20110826; CN 201610054941 A 20110826; EP 11751775 A 20110826; JP 2013527146 A 20110826; US 201113817963 A 20110826; US 201514717243 A 20150520; US 201715720445 A 20170929